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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/627,118

07/24/2003

Kiyoshi Yoneda

YKI-0133

3918

23413

7590

06/17/2005

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EXAMINER

ZIMMERMAN, GLENN

ART UNIT

PAPER NUMBER

2879

DATE MAILED: 06/17/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/627,118

Applicant(s)

YONEDA ET AL

Examiner

Glenn Zimmerman

Art Unit

2879

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) 1-6 is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 7-12 is/are rejected.
- 7) ☒ Claim(s) 9 and 12 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on July 24, 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

Election/Restrictions

Applicant's election of Group II claims 7-12 in the reply filed on April 22, 2005 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

Claim Objections

Claims 9 and 12 are objected to because of the following informalities: In claims 9 and 12 line 5, the examiner suggests changing "the a" to - - a - -. Appropriate correction is required.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 7-12 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The examiner believes that claims 7 and 10 are written so confusingly that they preclude examination. The examiner believes claims 7 and 10 are informal claims. For

example, in the claims 7 and 10, each claim has the limitation "at least an organic emissive layer are arranged in matrix form between pixel electrodes". The examiner notes that if the organic emissive layer were between pixel electrodes there would be no light. Do you mean the organic layer extends out between the pixel electrodes i.e. not light emissive areas or that the organic layers are between the pixel electrodes and the opposed electrodes or do you mean something else. Also for claims 7 and 10, the examiner notes that the limitation "insulating film in the form of a frame, which covers peripheral edges of each of the pixel electrodes". The examiner notes that if one insulating film is in the form of a frame when it covers peripheral edges of each of the pixel electrodes then it would be a matrix and not a frame. Do you mean insulating films plural or something else? For claim 7, the examiner notes the limitation "while the protrusion is supporting a mask", the examiner notes that from the drawings you have many protrusions supporting a mask. For claim 10, the examiner notes the limitation "forming the organic emissive layer such that, while the protrusion is supporting a donor sheet". The examiner notes that there are plural protrusions in the drawings supporting the donor sheet. Do you mean one protrusion supports all the weight of the mask or donor sheet? or Do you mean protrusions plural support? Also regarding claims 7 and 10 it is vague as to whether you mean the protrusion is on the pixel electrodes or the insulating film is on pixel electrodes from claim 7 line 20 and claim 10 line 24. Also in claims 7 and 10 line 2 the limitation "at least an organic emissive layer are arranged in a matrix form between pixels", the examiner notes that if one has one organic emissive layer then it wouldn't be able to be in matrix form between the pixel electrodes, as this

would require the organic emissive layer to be plural i.e. organic emissive layers. Also in claims 7 and 10 do you mean that the organic emissive layer or the pixel electrodes each have a size corresponding to an emissive region of one pixel? What do you mean?

Claims 8, 9, 11 and 12 are rejected for depending from a rejected base claim.

Conclusion


The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Yamada et al. U.S. Patent Application Publication 2002/0158570 A1 disclose Electroluminescence Display and Manufacturing Method of Same, Mask and Manufacturing Method of Same. Nishio et al. U.S. Patent Application Publication 2003/0189400 A1 disclose Method of Manufacturing Organic Electroluminescent Panel, Organic Electroluminescence Device, and Mask. Hirano et al. WO 02/056641 A1 disclose Luminescence Device and Its Manufacturing Method. Kobayashi U.S. Patent Application Publication 2004/0012329 A1 disclose Organic Electroluminescent Device, Method of Manufacturing Organic Electroluminescent Device, and Electronic Apparatus. Burberry et al. U.S. Patent Application Publication 2003//0162108 A1 disclose Using Spacer Elements to Make Electroluminescent Display Devices. Yamada et al. U.S. Patent 6,768,257 disclose a Display Apparatus with Ribs Having Conductive Material.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Glenn Zimmerman whose telephone number is (571) 272-2466. The examiner can normally be reached on M-W 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh D. Patel can be reached on (571) 272-2457. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Glenn Zimmerman


Joseph Williams
Primary Examiner
AU 2879